

IN THE CLAIMS

Please add newly presented claims 21-25 amend the claims as follows:

5       1. (Previously Presented) In a video on demand system for supplying video data to a plurality of subscriber receivers via a program delivery network, the improvement comprising:

10       a. A data base storage system containing a plurality of video on demand programs;

15       b. A temporary video storage memory;

20       c. A transaction server responsively coupled to said data base storage system, said temporary video storage memory, and said plurality of subscriber receivers whereby each of said plurality of subscriber receivers requests a different video on demand program from said transaction server and said transaction server spools said different video on demand programs from said data base storage to said temporary video storage memory; and

25       d. A plurality of video servers responsively coupled to said transaction server and said plurality of subscriber receivers via said program delivery network wherein said plurality of video servers are assigned by said transaction server to stream said spooled different video on demand programs from said temporary video storage memory to said plurality of

subscriber receivers via said program delivery network.

2. (Previously Presented) The video on demand system of claim 1 wherein said transaction server further comprises a transaction gateway operating in a middleware environment and a video server frame and steam spooling program responsively coupled to said transaction gateway via said middleware environment.
3. (Previously Presented) The video on demand system of claim 2 further comprising a mainframe computer platform hosting said transaction server responsively coupled to said one of said plurality of video servers and said subscriber receiver.
4. (Original) The video on demand system of claim 3 wherein said mainframe computer platform further comprises a Unisys mainframe computer system.
5. (Previously Presented) The video on demand system of claim 4 wherein said transaction server spools said video on demand program in the MPEG-2 format.

6. (Previously Presented) An apparatus comprising:

- a. A plurality of subscribing receivers each capable of providing a plurality of service requests;

b. A data base storage system which stores a plurality of video programs;

c. A temporary digital memory storage device;

d. A transaction server responsively coupled to said plurality of subscribing receivers and said data base storage system capable of receiving said plurality of service requests, accessing said plurality of video programs corresponding to said plurality of service requests from said data base storage system, and spooling said plurality of video programs into said temporary digital memory device in response thereto; and

e. A plurality of video servers responsively coupled to said transaction server and said plurality of subscribing receivers wherein said transaction server assigns one of said plurality of video servers to stream said spooled plurality of video programs from said temporary digital memory device to said plurality of subscribing receivers.

7. (Previously Presented) An apparatus according to claim 6 wherein said transaction server further comprises a subscriber account whereby each of said plurality of subscribing receivers is charged for corresponding ones of said plurality of service requests.

8. (Original) An apparatus according to claim 7 wherein said

transaction server further comprises a transaction gateway  
operating in a commercial middleware environment.

9. (Previously Presented) An apparatus according to claim 7  
5 wherein said plurality of spooled video programs further  
comprises MPEG-2.

10. (Original) An apparatus according to claim 9 wherein said  
transaction server further comprises a Unisys computer system.

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11. (Currently Amended) A video on demand system comprising:  
a. Storing means for storing a plurality of video programs;  
b. Plurality of generating means for generating a plurality  
of different requested video on demand signals;  
15 c. Identifying means responsively coupled to said  
generating means and said storing means for identifying a number  
of said plurality of video programs stored within said storing  
means corresponding to said plurality of different requested  
video on demand signals;  
20 d. Spooling means responsively coupled to said identifying  
means and said storing means for spooling said corresponding  
number of said plurality of video programs which said identifying  
means identifies ; and  
e. A plurality of streaming means responsively coupled to

5        said spooling means and said receiving means for streaming said spooled number of said plurality of video programs corresponding to said plurality of different requested video on demand signals to said plurality of generating means wherein said spooling means assigns one or said plurality of streaming means to stream said spooled number of said plurality of video programs to said plurality of generating means.

10      12. (Previously Presented) A video on demand system according to claim 11 wherein said plurality of generating means further comprises a subscriber box.

15      13. (Previously Presented) A video on demand system according to claim 12 wherein said identifying means further comprises a transaction gateway.

20      14. (Currently Amended) A video on demand system according to claim 13 wherein said identifying means further comprises processing means for processing subscriber transactions.

15. (Previously Presented) A video on demand system according to claim 14 wherein said identifying means further comprises a Unisys mainframe computer system.

16. (Previously Presented) A method of providing video on demand services comprising:

a. Storing a plurality of video programs in a video storage facility;

5 b. Receiving a video on demand request from a subscriber at a transaction server;

c. Determining a one of said plurality of video programs corresponding to said video on demand request;

10 d. Spooling said one of said plurality of video programs corresponding to said video on demand request from said video storage facility into a temporary storage facility;

15 e. Assigning one of a plurality of video servers responsively coupled to subscriber to stream said one of said plurality of video programs corresponding to said video on demand request to said subscriber; and

f. Streaming said spooled video program from said temporary storage facility by said assigned video server to said subscriber.

20 17. (Previously Presented) A method according to claim 16 further comprising:

a. Pausing said streaming in response to a pause signal from said subscriber to said transaction server.

18. (Previously Presented) A method according to claim 16 further comprising:

a. Reversing said streaming in response to a reverse signal from said subscriber to said transaction server.

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19. (Previously Presented) A method according to claim 16 further comprising:

a. Fast forwarding said streaming in response to a fast forward from said subscriber to said transaction server.

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20. (Previously Presented) A method according to claim 16 wherein said processing step further comprises:

a. Performing subscriber accounting to enable billing said subscriber for said video on demand request by said transaction server.

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21. (New) An apparatus for delivering video on demand programs to a plurality of requesters comprising:

a. a software controlled transaction server responsively coupled to said plurality of requesters which manages an interface between said apparatus and said plurality of requesters;

b. a storage facility which contains a plurality of video programs;

c. a temporary memory wherein said software controlled transaction server spools a requested one of said plurality of video programs requested by one of said plurality of requesters;

5                   d. a plurality of video servers from which said software controlled transaction server assigns a particular one of said plurality of video servers wherein said particular one of said plurality of video servers streams said requested one of said plurality of video programs from said temporary memory to said one of said plurality of requesters.

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22. (New) An apparatus according to claim 21 further comprises a plurality of video program sources responsively coupled to said software controlled transaction server which stores said plurality of video programs from said plurality of video program sources in said storage facility.

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23. (New) An apparatus according to claim 22 further comprising a transmission network located intermediate said plurality of video servers and said plurality of requesters whereby said 20 particular one of said plurality of video servers streams said requested one of said plurality of video servers to said one of said plurality of requesters.

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24. (New) An apparatus according to claim 23 wherein said one of

said plurality of requesters further comprises a subscriber box.

25. (New) An apparatus according to claim 24 further comprising  
a request generated by said one of said plurality of requesters  
5 transferred to said software controlled transaction server  
requesting the delivery of a pizza.